

Abstract

A polylactic acid resin suitable for use especially in textile products; textile products obtained from the resin as a raw material (a fiber, multifilament, monofilament, staple, false-twist yarn, long-fiber nonwoven fabric, etc.); and processes for producing these textile products. The polylactic acid resin is a resin consisting mainly of a polylactic acid and is characterized in that it is linear, has an L-isomer content of 95 mol% or higher, an Sn content of 30 ppm or lower, a monomer content of 0.50 wt.% or lower, and has a relative viscosity of 2.7 to 3.9 or has a weight-average molecular weight of 120,000 to 220,000 and a number-average molecular weight of 60,000 to 110,000. Each of the textile products comprises the polylactic acid resin as the main material. The textile products each comprises a polylactic acid that is excellent in processability and excellent fiber properties. The free textile products are problems in practical use.

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